

HOVERFLIES OF SURREY - ADDITIONAL RECORDS

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Abstract

Distributional records of hoverflies (Diptera: Syrphidae) and additional records of flower visits made subsequent to the publication of *Hoverflies of Surrey* (Morris, 1988) are given as a supplement to that work.

Introduction

The *Hoverflies of Surrey* (Morris, 1998) was the result of over a dozen years of fieldwork and must rank as one of the most detailed and thorough local lists of this group ever published. However, three full seasons have now passed since the completion of this fieldwork and a number of important new records have been made. As the author, Roger Morris, is now based some distance outside the county, he has asked me to publish my records in the form of an appendix to his work.

The records are grouped in two sections: additional records of rare species and new 10 kilometre square records, and a separate list of further records of flower visits; the latter due to myself and Roger Hawkins. In addition to my own recording, I have been determining insects from a number of Malaise trap samples from various sites in Surrey, run by Jim Brock of the Horniman Museum, Forest Hill to sample parasitic Hymenoptera (Ichneumonidae). Various people, including myself, have "serviced" these traps and their names are included in the list of recorders. I have tried to follow, as closely as possible, the typographic conventions of the original work by Roger Morris.

List of recorders

AJP	A. J. Pontin	GAC	G. A. Collins
CWP	C. W. Plant	JPB	J. P. Brock
DE	D. Element	RDH	R. D. Hawkins

Platycheirus angustatus (Zetterstedt, 1843)

Sydenham Hill Wood TQ3472 (24.4-11.5.1993 and 15.6-1.7.1993, Malaise trap, JPB) – new 10km record.

Platycheirus occultus Goedlin de Tiefenau *et al.*, 1990

Thursley Common SU9040 (16.7-9.8.1999, Malaise trap, JPB) – new 10km record.

Platycheirus sticticus (Meigen, 1822)

Capel TQ1738 (26.8.1998, CWP, male at ruderal grassland/woodland edge) – third Surrey record and first since 1973.

Platycheirus tarsalis (Schummel, 1837)

Banstead Downs TQ2561 (13.5.2000, GAC; 1-14.6.2000, Malaise trap, JPB) – new 10km record.

Platycheirus rosarum (Fabricius, 1787)

Horsell Common, Woking TQ0060 (21-28.8.2000, Malaise trap, AJP) – new 10km record!

Xanthandrus comitus (Harris, 1780)

Foyle Riding, Limpsfield TQ4149 (8.6.1999, GAC); **Princes Coverts, Oxshott** TQ1561 (4.8.1999, GAC); **Graeme Hendrey Wood, Godstone** TQ3450 (17.7.2000, RDH) – new 10km records.

Chrysotoxum elegans Loew, 1841

Brockham Hills, Dorking TQ2051 (11.8.2000, GAC); **Colley Hill, Reigate** TQ2452 (22.8.2000, GAC) – new (same) 10km records.

Didea intermedia Loew, 1854

Chobham Common SU9864 (11.9.1999, GAC) – a new 10km record and extension of flight period.

Doros profuges (Harris, 1780)

Headley Warren, Leatherhead TQ1854 (2-23.6.2000, 2 females in Malaise trap, GAC) – previously known from this site, but further evidence that Malaise trapping is effective for recording this species.

Epistrophe melanostoma (Zetterstedt, 1843)

Foyle Riding, Limpsfield TQ4149 (8.6.1999, GAC) – new 10km record.

Epistrophe nitidicollis (Meigen, 1822)

Epsom Common, TQ1860 (1-14.6.1993, Malaise trap, JPB) – new 10km record.

Eupeodes latilunulatus (Collin, 1931)

Bagmoor Common, Elstead SU9242 (29.8.1998, RDH); **Banstead Downs** TQ2561 (28.6-12.7.2000, Malaise trap, JPB) – new 10km records.

Eupeodes nitens (Zetterstedt, 1843)

Headley Warren, Leatherhead TQ1854 (14-31.7.2000, Malaise trap, GAC) – new post-1980 10km record.

Meligramma euchromum (Kowarz, 1885)

Nower Wood, Leatherhead TQ1953 (3.5.1999, RDH); **All Saints Church, Carshalton** TQ2764 (5.5.2000, GAC) – further records of this Red Data Book species.

Meligramma triangulifera (Zetterstedt, 1843)

Thursley Common SU9040 (9.8-2.9.1999, Malaise trap, JPB) – new 10km record.

Melangyna cincta (Fallén, 1817)

Foyle Riding, Limpsfield TQ4149 (29.5.1999, GAC) – new 10km record.

Sphaerophoria batava Goeldin de Tiefenau, 1974

Horsell Common, Woking TQ0060 (10-17.7.2000, 17-24.7.2000, 21-28.8.2000, Malaise trap, AJP) – new post-1980 10km record.

Sphaerophoria rueppellii (Wiedemann, 1830)

The Moors, Merstham TQ3052 (22.7.1998, GAC) – new 10km record.

Sphaerophoria virgata Goeldin de Tiefenau, 1974

Horsell Common, Woking TQ0060 (14-21.8.2000, Malaise trap, AJP) – new 10km record.

Callicera aurata (Rossi, 1790)

Ashtead Common, Leatherhead TQ1759 (6-20.7.1994, Malaise trap, JPB); **Chobham Common, Woking** SU9664 (28.6-25.7.1993, Malaise trap, JPB) – two Malaise trap records of this RDB3 hoverfly, one at a known historical site and the other no great distance from the

single modern Surrey site, suggests that it may be an under-recorded species. **Westcott Downs, Dorking** TQ1349 (28.8.2000, DE; 30.8.2000, GAC) – a female on field scabious, first seen by DE, identified by GAC from a digital video still submitted by e-mail and refound on the same patch of flowers 48 hours later. **Park Downs, Banstead** TQ2658 (26.6.2000, RDH).

Cheilosia albipila Meigen, 1838

Princes Coverts, Oxshott TQ1562 (27.3.1999, GAC) – new 10km record.

Cheilosia barbata Loew, 1857

River Hogsmill, Old Malden TQ2066 (3.8.2000, GAC) – new 10km record.

Cheilosia griseiventris Loew, 1857

Happy Valley, Coulsdon TQ3056 (30.4.1999, GAC) – second Surrey record, and very much earlier in the year than the other one (Ball & Morris, 2000, indicate bivoltinism).

Cheilosia nebulosa Verrall, 1871

North Holmwood Clay Pit, Dorking TQ1747 (29.4.2000, GAC) – a new 10km square record for this Red Data Book species.

Cheilosia nigripes (Meigen, 1822)

Nower Wood, Leatherhead TQ1953 (3.5.1999, RDH); **Dollypers Hill, Coulsdon** TQ3158 (13.5.2001, RDH).

Ferdinandea ruficornis (Fabricius, 1775)

Gason Wood, East Clandon TQ0653 (1.4.1999, GAC) – sixth Surrey record.

Rhingia rostrata (Linnaeus, 1758)

St Johns Wood, Dormansland TQ4141 (8.6.1999, GAC); **The Sheeples, East Horsley** TQ0852 (6.8.1999, GAC); **Yewen's Hangar, Chiddingfold** SU9536 (19.8.1999, GAC); **Headley Warren, Leatherhead** TQ1954 (29.8.1999, 1.9.2000, GAC) – three new 10km records for this Red Data Book species.

Melanogaster aenrosa (Loew, 1843)

Thursley Common, Elstead SU9040 (16-7.9.8.1999, 9.8-2.9.1999, Malaise trap, JPB); SU9041 (16.8.2000, GAC) – further records from a known site, one of only three in Surrey.

Myolepta dubia (Fabricius, 1805)

Epsom Common TQ1860 (14.6-2.7.1993, Malaise trap, JPB) – new 10km record.

Neoascia interrupta (Meigen, 1822)

Mitcham (Spencer Road) TQ2766 (22.8.1998, GAC) – new 10km record.

Neoascia obliqua Coe, 1940

Sydenham Hill Wood TQ3472 (6.8-17.9.1993, Malaise trap, JPB) – a very surprising record.

Neoascia tenur (Harris, 1780)

Horsell Common, Woking TQ0060 (17-24.7.2000, Malaise trap, AJP) – new 10km record.

Eumerus ornatus Meigen, 1822

Hedgecourt Lake, Felbridge TQ3540 (21.7.2000, RDH) – new 10km record.

Pelecocera tricincta Meigen, 1822

Chobham Common SU9864 (11.9.1999, GAC); **Ash Ranges, Pirbright** SU9152 (7.9.2001, GAC) – further records of this RDB3 species.

Heringia latitarsis (Egger, 1865)

Westcott Downs, Dorking TQ1349 (8.7.1998, GAC); **Epsom Downs** TQ2258 4.5.1999, GAC) – both new 10km records.

Heringia vitripennis (Meigen, 1822)

Nower Wood, Leatherhead TQ1954 (10.7.1999, RDH) – new post-1980 10km record.

Pipiza lugubris (Fabricius, 1775)

Yewen's Hangar, Chiddingfold SU9536 (19.8.1999, GAC) – new 10km record and the twelfth for Surrey.

Trichopsomyia flavitarsis (Meigen, 1822)

Thursley Common, Elstead SU9040 (2-16.7.1999, 16.7-9.8.1999, Malaise trap, JPB; 18.7.2000, GAC); **Chobham Common, Woking** SU9664 (28.6-25.7.1999, 25.7-17.8.1999, Malaise trap, JPB). **Horsell Common, Woking** TQ0060 (17-24.7.2000, Malaise trap, AJP) – new post-1980 10km record.

Brachypalpoides lentsus (Meigen, 1822)

Foyle Riding, Limpsfield TQ4149 (8.6.1999, GAC) – new 10 km record.

Criorhina berberina (Fabricius, 1805)

Epsom Common TQ1860 (25.5-1.6.1993 and 1-14.6.1993, Malaise trap, JPB) – new 10km record.

Criorhina floccosa (Meigen, 1822)

Epsom Common TQ1860 (1-14.6.1999, Malaise trap, JPB) – new 10km record.

Xylota abiens Meigen, 1822

Thursley Common SU9040 (9.8-21.9.1996, Malaise trap, JPB); **Foyle Riding, Limpsfield** TQ4149 (29.5.1999, GAC) – new 10km records and new to east Surrey.

Xylota tarda Meigen, 1822

Foyle Riding, Limpsfield TQ4149 (29.5 and 8.6.1999, GAC) – fifth and sixth Surrey records, new 10km record and to east Surrey, in a wood with much aspen.

Microdon devius (Linnaeus, 1761)

Colekitchen Down, Gomshall TQ0848 (2001, RDH); **Westcott Downs, Dorking** TQ1349 (14.6.2001, GAC).

Microdon mutabilis (Linnaeus, 1758)

Horsell Common, Woking TQ0060 (26.5-12.6.2000, Malaise trap, AJP) – known from this site, but only the tenth Surrey record. **Ashtead Common, Leatherhead** TQ1859 (4.6.1998, GAC, by sweeping in wet grassland) – first in this 10km square since 1949.

Additional flower visits*Melanostoma mellinum* (Linnaeus, 1758)

Daucus carota wild carrot.

Melanostoma scalare (Fabricius, 1794)

Helianthemum nummularium common rock-rose

Platycheirus albimanus (Fabricius, 1781)

Silene dioica red campion, *Linum catharticum* fairy flax, *Picris hieracioides* hawkweed ox-tongue

Platycheirus angustatus (Zetterstedt, 1843)

Daucus carota wild carrot

Chrysotoxum festivum (Linnaeus, 1758)

Pastinaca sativa wild parsnip, *Leontodon hispidus* rough hawkbit, *Solidago canadensis* Canadian golden-rod, *Senecio jacobaea* common ragwort

Chrysotoxum verralli Collin, 1940

Calluna vulgaris heather

Dasytisyrphus tricinctus (Fallén, 1817)

Calluna vulgaris heather, *Centaurea nigra* common knapweed

Dasytisyrphus venustus (Meigen, 1822)

Cornus sanguinea dogwood

Didea fasciata Macquart, 1834

Solidago canadensis Canadian golden-rod, *Succisa pratensis* devil's-bit scabious

Epistrophe eligans (Harris, 1780)

Euonymus europaeus spindle

Epistrophe grossulariae (Meigen, 1822)

Angelica sylvestris wild angelica

Episyrrhus batteatus (Degeer, 1776)

Bryonia dioica white bryony, *Calluna vulgaris* heather, *Potentilla erecta* tormentil, *Rosa arvensis* field rose, *Ulex minor* dwarf gorse, *Teucrium scorodonia* wood sage, *Veronica chamaedrys* germander speedwell

Eupeodes latifasciatus (Macquart, 1829)

Linum catharticum fairy flax, *Tussilago farfarae* colt's-foot

Eupeodes latilunulatus (Collin, 1931)

Calluna vulgaris heather

Eupeodes luniger (Meigen, 1822)

Scabiosa columbaria small scabious

Leucozona laternaria (Müller, 1776)

Angelica sylvestris wild angelica

Leucozona lucorum (Linnaeus, 1758)

Anthriscus sylvestris cow parsley, *Veronica chamaedrys* germander speedwell

Meliscaeva cinctella (Zetterstedt, 1843)

Calluna vulgaris heather

Scaeva pyrastri (Linnaeus, 1758)

Daucus carota wild carrot

Sphaerophoria scripta (Linnaeus, 1758)

Potentilla erecta tormentil

Sphaerophoria taeniata (Meigen, 1822)

Stellaria graminea lesser stitchwort, *Clinopodium vulgare* wild basil, *Veronica chamaedrys* germander speedwell, *Picris hieracioides* hawkweed oxtongue

Syrphus ribesii (Linnaeus, 1758)

Hypericum tetrapterum square-stalked St. John's-wort, *Rosa arvensis* field rose, *Buddleja davidii* butterfly-bush

Syrphus vitripennis Meigen, 1822

Buddleja davidii butterfly-bush

Xanthogramma pedissequum (Harris, 1776)

Veronica chamaedrys germander speedwell

Callicera aurata (Rossi, 1790)

Knautia arvensis field scabious

Cheilosia bergenstammi Becker, 1894

Crepis capillaris smooth hawk's-beard

Cheilosia illustrata (Harris, 1780)

Anthriscus sylvestris cow parsley, *Angelica sylvestris* wild angelica

Cheilosia impressa Loew, 1840

Angelica sylvestris wild angelica

Cheilosia scutellata (Fallén, 1817)

Aegapodium podagraria ground-elder

Cheilosia variabilis (Panzer, 1798)

Prunus spinosa sloe

Cheilosia vernalis (Fallén, 1817)

Ranunculus flammula lesser spearwort, *Tripleurospermum inodorum* scentless mayweed

Cheilosia vulpina (Meigen, 1822)

Angelica sylvestris wild angelica

Ferdinandea cuprea (Scopoli, 1763)

Rosa arvensis field rose, *Succisa pratensis* devil's-bit scabious

Rhingia campestris Meigen, 1822

Silene dioica red campion, *Calluna vulgaris* heather, *Melissa officinalis* balm, *Veronica chamaedrys* germander speedwell

Rhingia rostrata (Linnaeus, 1758)

Cirsium palustre marsh thistle, *Cirsium arvense* creeping thistle, *Centaurea nigra* common knapweed

Chrysogaster solstitialis (Fallén, 1817)

Pimpinella saxifraga burnet-saxifrage

Melanogaster hirtella (Loew, 1843)

Ranunculus flammula lesser spearwort, *Stellaria holostea* greater stitchwort

Neoascia tenur (Harris, 1780)

Lysimachia vulgaris yellow loosestrife

Eristalis arbustorum (Linnaeus, 1758)

Rosa arvensis field rose

Eristalis intricarius (Linnaeus, 1758)

Salix sp. sallow, *Knautia arvensis* field scabious, *Leontodon hispidus* rough hawkbit

Eristalis pertinax (Scopoli, 1763)

Calluna vulgaris heather

Eristalis tenax (Linnaeus, 1758)

Eupatorium cannabinum hemp-agrimony

Helophilus pendulus (Linnaeus, 1758)

Erica tetralix cross-leaved heath, *Euphorbia amygdaloides* wood spurge

Myathropa florea (Linnaeus, 1758)

Calluna vulgaris heather, *Euonymus europaeus* spindle, *Centaurea nigra* common knapweed

Pipiza lugubris (Fabricius, 1775)

Angelica sylvestris wild angelica

Sericomyia silentis (Harris, 1776)

Calluna vulgaris heather

Volucella bombylans (Linnaeus, 1758)

Erica tetralix cross-leaved heath, *Cirsium arvense* creeping thistle

Volucella inanis (Linnaeus, 1758)

Daucus carota wild carrot, *Knautia arvensis* field scabious, *Scabiosa columbaria* small scabious, *Cirsium vulgare* spear thistle, *Centaurea nigra* common knapweed, *Eupatorium cannabinum* hemp-agrimony

Volucella inflata (Fabricius, 1794)

Buddleja davidii butterfly-bush

Volucella pellucens (Linnaeus, 1758)

Calluna vulgaris heather, *Cornus sanguinea* dogwood, *Knautia arvensis* field scabious, *Scabiosa columbaria* small scabious

Volucella zonaria (Poda, 1761)

Centaurea nigra common knapweed

Syritta pipiens (Linnaeus, 1758)

Glechoma hederacea ground-ivy, *Solidago virgaurea* golden-rod

Postscript

The article by Gibbs and Plant (2001) announcing the split of *Cheilosia albitarsis* into *ranunculi* Doczkal and *albitarsis sensu* Doczkal led me to review my own specimens from Surrey. Unfortunately, due to the need to rationalise storage space, I have only a couple of males and these have proved on superficial examination to belong to *ranunculi*. The genitalia have yet to be examined, but further fieldwork will be undertaken this year to determine the distribution, habitat and flower preferences of the two segregates.

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References

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